

**METHOD AND SYSTEM FOR OPTIMIZING MINIGENES AND PEPTIDES  
ENCODED THEREBY**

**ABSTRACT OF THE DISCLOSURE**

The invention relates to the field of biology. In particular, the invention relates to a method and system for designing optimized multi-epitope vaccines having selected combinations of amino acid insertions at the junctions of the multi-epitope constructs so as to minimize the number of junctional epitopes and provide vaccines with increased immunogenicity.

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